

=> b hcap;d que l100;b uspatfull; d que l136;b agricola caba PASCAL BIOSIS CROPU
 TOXCENTER WPIDS; d que l151
 FILE 'HCAPLUS' ENTERED AT 16:46:59 ON 18 DEC 2003
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FILE COVERS 1907 - 18 Dec 2003 VOL 139 ISS 25
 FILE LAST UPDATED: 17 Dec 2003 (20031217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

All compounds were searched using both Free Text and Registry Numbers in the bibliographic databases;

L1	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	BENZYL ALCOHOL/CN	
L2	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	PROPYLENE GLYCOL/CN	
L5	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	LACTIC ACID/CN	
L6	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	TANNIC ACID/CN	
L7	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	TANNIN/CN	
L9	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	RAPESEED OIL/CN	
L11	28635	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	BENZYL ALCOHOL/OBI	
L12	19343	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	PROPYLENE GLYCOL/OBI	
L14	48179	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	LACTIC ACID/OBI	
L15	2659	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	TANNIC ACID?/OBI	
L16	36868	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	TANNIN?/OBI	
L18	1970	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(RAPESEED/OBI OR RAPE/OBI (W) SEED/OBI) (W) OIL/OBI	
L20	1942	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	"CROP (PLANT)"/CT	
L21	195085	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	"CEREAL (GRAIN)"+OLD,NT/CT	
L22	208790	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS+NT/CT	
L23	278020	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	BACTERICID?/OBI OR ANTIBACTERI ?/OBI OR FUNGICID?/OBI OR ANTIFUNG?/OBI OR MICOBICID?/OBI OR ANTIMICROBI?/OBI OR INSECTICID?/OBI	
L24	628348	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	PLANT#/OBI OR CROP#/OBI OR WHEAT/OBI OR CEREAL?/OBI	
L30	19901	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L1	
L31	21201	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L2	
L34	45967	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L5	
L35	43	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L6	
L36	43	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L7	
L38	0	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L9	
L40	29483	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L12 OR L31	
L42	64825	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L14 OR L34	
L43	2672	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L15 OR L35	

The only compounds not searched using the Registry Numbers were phenol and essential oils

On the multiple searches, all compounds were searched using free text.

L44 36880 SEA FILE=HCAPLUS ABB=ON PLU=ON L16 OR L36
 L46 1970 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR L38
 L64 35462 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 OR L30
 L65 66861 SEA FILE=HCAPLUS ABB=ON PLU=ON L40 OR L43 OR L44
 L66 66793 SEA FILE=HCAPLUS ABB=ON PLU=ON L42 OR L46
 L71 81 SEA FILE=HCAPLUS ABB=ON PLU=ON L64 AND L65 AND L66
 L95 4571 SEA FILE=HCAPLUS ABB=ON PLU=ON ((L20 OR L21)) AND L22
 L96 3490 SEA FILE=HCAPLUS ABB=ON PLU=ON (L20 OR L21) (L) L23
 L97 4029 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 (L) L24
 L98 11771 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 (L) L23
 L99 15614 SEA FILE=HCAPLUS ABB=ON PLU=ON (L95 OR L96 OR L97 OR L98)
 L100 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L71 AND L99

Combination of (1) benzyl alcohol, (2) propylene glycol, (3) rapeseed oil, or lactic acid, and (4) plants & Antimicrobial (F&CT)

FILE 'USPATFULL' ENTERED AT 16:46:59 ON 18 DEC 2003
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Dec 2003 (20031218/PD)
 FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)
 HIGHEST GRANTED PATENT NUMBER: US6665873
 HIGHEST APPLICATION PUBLICATION NUMBER: US2003233693
 CA INDEXING IS CURRENT THROUGH 18 Dec 2003 (20031218/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Dec 2003 (20031218/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
 >>> original, i.e., the earliest published granted patents or <<<
 >>> applications. USPAT2 contains full text of the latest US <<<
 >>> publications, starting in 2001, for the inventions covered in <<<
 >>> USPATFULL. A USPATFULL record contains not only the original <<<
 >>> published document but also a list of any subsequent <<<
 >>> publications. The publication number, patent kind code, and <<<
 >>> publication date for all the US publications for an invention <<<
 >>> are displayed in the PI (Patent Information) field of USPATFULL <<<
 >>> records and may be searched in standard search fields, e.g., /PN, <<<
 >>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
 >>> through the new cluster USPATALL. Type FILE USPATALL to <<<
 >>> enter this cluster. <<<
 >>> <<<
 >>> Use USPATALL when searching terms such as patent assignees, <<<
 >>> classifications, or claims, that may potentially change from <<<
 >>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
 substance identification.

L1 1 SEA FILE=REGISTRY ABB=ON PLU=ON BENZYL ALCOHOL/CN
 L2 1 SEA FILE=REGISTRY ABB=ON PLU=ON PROPYLENE GLYCOL/CN
 L5 1 SEA FILE=REGISTRY ABB=ON PLU=ON LACTIC ACID/CN
 L6 1 SEA FILE=REGISTRY ABB=ON PLU=ON TANNIC ACID/CN
 L7 1 SEA FILE=REGISTRY ABB=ON PLU=ON TANNIN/CN
 L9 1 SEA FILE=REGISTRY ABB=ON PLU=ON RAPESEED OIL/CN
 L107 2864 SEA FILE=USPATFULL ABB=ON PLU=ON L1

L108	5688	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L2
L109	5	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L6
L110	5	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L7
L111	3606	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	BENZYL ALCOHOL/IT,TI,AB,CLM
L112	13496	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	PROPYLENE GLYCOL/IT,TI,AB,CLM
L113	474	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	TANNIC ACID/IT,TI,AB,CLM
L114	2388	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	TANNIN?/IT,TI,AB,CLM
L115	2122	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS/CT
L116	4411	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	ANTIBACTERIAL AGENTS/CT
L117	32209	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	(ANTI (W) MICROBI? OR ANTIMICROBI? OR MICROBICI? OR ANTI (W) BACTERI? OR ANTIBACTERI? OR BACTERICID? OR ANTI (W) FUNG? OR ANTIFUNG? OR FUNGICID?)/IT,TI,AB,CLM
L118	202	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	"CROP (PLANT)"/CT
L119	490	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	"CEREAL (GRAIN)"/CT
L120	400897	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	PLANT? OR GRAIN? OR WHEAT? OR CROP# OR CEREAL?/IT,TI,AB,CLM
L121	4488	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L107 OR L111
L122	14714	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L108 OR L112
L123	475	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L109 OR L113
L124	2392	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L110 OR L114
L125	43	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	(L115 OR L116) AND (L118 OR L119)
L126	0	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	S115-116 (5A) L120
L127	86	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L117 (5A) (L118 OR L119)
L128	1322	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L117 (5A) L120
L129	1385	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	(L125 OR L126 OR L127 OR L128)
L130	3417	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L5
L131	0	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L9
L132	7457	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	LACTIC ACID?/IT,TI,AB,CLM
L133	903	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	(RAPE(W) SEED OR RAPESEED) (W) OIL/IT,TI,AB,CLM
L134	8027	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L130 OR L132
L135	903	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L131 OR L133
L136	0	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L121 AND (L122 OR L123 OR L124) AND (L134 OR L135) AND L129

Combination of (1) Benzyl Alcohol, (2) Propylene glycol or tannic acid or tannin, (3) rapeseed oil or lactic acid, and (4) Combined Sets of

FILE 'AGRICOLA' ENTERED AT 16:47:00 ON 18 DEC 2003

FILE 'CABA' ENTERED AT 16:47:00 ON 18 DEC 2003
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Plant concepts (Free Text and Controlled Terms) and Antimicrobial terms (Free Text & Controlled Terms)

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FILE 'WPIDS' ENTERED AT 16:47:00 ON 18 DEC 2003
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L145 203159 SEA (PLANT? OR CROP# OR WHEAT? OR GRAIN? OR CEREAL?) AND (ANTI
(W) MICROBI? OR ANTIMICROBI? OR MICROBICID? OR ANTI(W)
BACTERI? OR ANTIBACTERI? OR BACTERICID? OR ANTI(W) FUNG? OR
ANTIFUNG? OR FUNGICID?)

L150 43 SEA BENZYL ALCOHOL AND (PROPYLENE GLYCOL OR TANNIN? OR TANNIC
ACID) AND ((RAPESEED OR RAPE(W) SEED) (W) OIL OR LACTIC ACID)

L151 2 SEA L145 AND L150

*Combo of {Plant terms (Free Text) and Antimicrobial terms [Free Text]} and ① Benzyl
alcohol (FT)
and*

=> dup rem l100 l136 l151

L136 HAS NO ANSWERS

FILE 'HCAPLUS' ENTERED AT 16:47:21 ON 18 DEC 2003

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PROCESSING COMPLETED FOR L100

PROCESSING COMPLETED FOR L136

PROCESSING COMPLETED FOR L151

L157 7. DUP REM L100 L136 L151 (0 DUPLICATES REMOVED)

ANSWERS '1-5' FROM FILE HCAPLUS

ANSWERS '6-7' FROM FILE CROPU

*display answers with hitstructure [HCAPLUS] display bibliographic and abstract
information [CROPU]*

=> => d ibib abs hitstr 1-5; d ibib ab 6-7

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS, CROPU' - CONTINUE? (Y)/N:y

L157 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:368343 HCAPLUS

DOCUMENT NUMBER: 136:374859

TITLE: Synergistic antimicrobial agents containing aromatic
agents and having an antagonistic, regenerative and/or
protagonist decontamination effect

INVENTOR(S): Schuer, Joerg P.

PATENT ASSIGNEE(S): Germany

SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038181	A2	20020516	WO 2001-EP12974	20011109
WO 2002038181	A3	20030515		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
 UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1205188 A1 20020515 EP 2000-124497 20001109

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

AU 2002027913 A5 20020521 AU 2002-27913 20011109

EP 1331946 A2 20030806 EP 2001-989449 20011109

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO.:

EP 2000-124497 A 20001109

WO 2001-EP12974 W 20011109

AB The invention relates to medicaments comprising a microbicidal composition consisting of at least two GRAS (Generally Recognized As Safe) aromatic agents or their derivs., and to the use of these compns. for producing decontamination and/or regenerative agents for treating humans and animals. Thus an antimicrobial composition contained (weight/weight%): anise alc.

45; borneol 35; rhodinol 20.

IT 50-21-5, Lactic acid, biological studies

57-55-6, Propyleneglycol, biological studies 100-51-6,

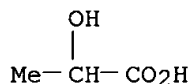
Benzylalcohol, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(synergistic antimicrobial agents containing aromatic agents and having antagonistic, regenerative and/or protagonist decontamination effect)

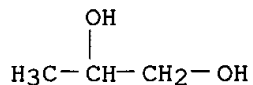
RN 50-21-5 HCAPLUS

CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 57-55-6 HCAPLUS

CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS

CN Benzemethanol (9CI) (CA INDEX NAME)



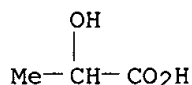
L157 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:591669 HCAPLUS

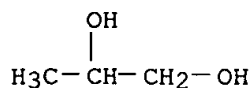
DOCUMENT NUMBER: 137:154384
 TITLE: Symbiotic regenerative compositions containing microorganisms
 INVENTOR(S): Schuer, Joerg-Peter
 PATENT ASSIGNEE(S): Germany
 SOURCE: Eur. Pat. Appl., 25 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1228769	A1	20020807	EP 2001-102384	20010202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
WO 2002067986	A2	20020906	WO 2002-EP1056	20020201
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: EP 2001-102384 A 20010202
 AB The invention concerns regenerative drugs, dietary supplements, feed additives that contain microorganisms and modulating substances, e.g. enzymes, GRAS (Generally Recognized As Safe) aromas, plant exts. Further the compns. contain vitamins, minerals, growth promoters, carrier substances, etc. Microorganisms are a-pathogenic, pathogenic or facultative pathogenic.
 IT **50-21-5, Lactic acid**, biological studies
57-55-6, Propyleneglycol, biological studies **100-51-6**, Benzylalcohol, biological studies
 RL: FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (symbiotic regenerative compns. containing microorganisms)
 RN 50-21-5 HCAPLUS
 CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 57-55-6 HCAPLUS
 CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS
CN Benzenemethanol (9CI) (CA INDEX NAME)

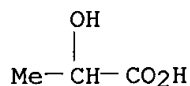
HO-CH₂-Ph

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

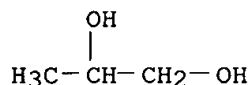
L157 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2001:152427 HCAPLUS
DOCUMENT NUMBER: 134:174268
TITLE: **Insecticides** and microbicides for
plants
INVENTOR(S): Schuer, Joerg
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001013727	A1	20010301	WO 2000-EP8344	20000825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19940283	A1	20010301	DE 1999-19940283	19990825
EP 1206184	A1	20020522	EP 2000-969251	20000825
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003507397	T2	20030225	JP 2001-517880	20000825
ZA 2002001510	A	20030311	ZA 2002-1510	20020222
PRIORITY APPLN. INFO.:			DE 1999-19940283 A	19990825
			WO 2000-EP8344 W	20000825
AB The invention relates to agents for protecting plants and/or parts of plants from insects and insect larvae and from microbial attack. The agents are lipophilic GRAS (generally recognized as safe) flavoring compds and hydrophilic GRAS. The lipophilic GRAS flavoring compds. are alcs. (benzyl alc., 1- or 2-phenylethanol, cinnamic alc., hydrocinnamic alc., etc.). The hydrophilic GRAS agents are alcs. (ethanol, propanol, isopropanol, etc.) or organic acids.				
IT 50-21-5, Lactic acid, biological studies 57-55-6, Propylene glycol, biological studies 100-51-6, (Benzyl alcohol, biological studies RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticide and microbicide for plants or plant parts)				

RN 50-21-5 HCAPLUS
 CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 57-55-6 HCAPLUS
 CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS
 CN Benzenemethanol (9CI) (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L157 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:578597 HCAPLUS
 DOCUMENT NUMBER: 135:124156
 TITLE: Bactericide combinations in detergents
 INVENTOR(S): Elsmore, Richard; Houghton, Mark Phillip
 PATENT ASSIGNEE(S): Robert McBride Ltd., UK
 SOURCE: Brit. UK Pat. Appl., 53 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

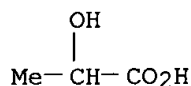
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2354771	A1	20010404	GB 1999-23253	19991001

PRIORITY APPLN. INFO.: GB 1999-23253 19991001

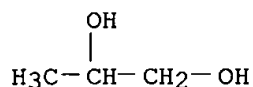
AB The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing reduction activity after contact 2.

IT 50-21-5, uses 57-55-6D, Propylene glycol, reaction products with formaldehyde 100-51-6, Benzenemethanol, uses
 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);
 BIOL (Biological study); USES (Uses)
 (bactericide combinations in detergents)

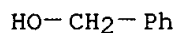
RN 50-21-5 HCAPLUS
 CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



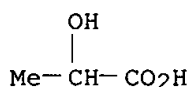
RN 57-55-6 HCAPLUS
 CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



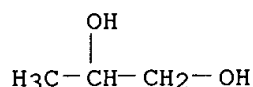
RN 100-51-6 HCAPLUS
 CN Benzenemethanol (9CI) (CA INDEX NAME)



L157 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1993:455828 HCAPLUS
 DOCUMENT NUMBER: 119:55828
 TITLE: Status of certain additional over-the-counter drug
 category II and III active ingredients
 CORPORATE SOURCE: United States Food and Drug Administration, Rockville,
 MD, 20857, USA
 SOURCE: Federal Register (1993), 58(88), 27636-44, 10 May 1993
 CODEN: FEREAC; ISSN: 0097-6326
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Certain over-the-counter drugs are not generally recognized as safe and
 effective or are misbranded under the Federal Food, Drug, and Cosmetic
 Act. The list includes digestive, external analgesic, insect bite and
 sting, poison ivy, skin protectant, diaper rash, topical antifungal, and
 oral analgesic products.
 IT 50-21-5, biological studies 57-55-6, 1,2-Propanediol,
 biological studies 100-51-6, Benzenemethanol, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (over-the-counter prepsns. containing, stds. for)
 RN 50-21-5 HCAPLUS
 CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 57-55-6 HCAPLUS
 CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS
CN Benzenemethanol (9CI) (CA INDEX NAME)

HO-CH₂-Ph

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS, CROPU' - CONTINUE? (Y)/N:y

L157 ANSWER 6 OF 7 CROPU COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-85675 CROPU F G

TITLE: Decontamination or preservation of materials, e.g. wood or paper, using mixture of two or more aroma components, e.g. **benzyl alcohol** and **tannin**, having broad-spectrum **antimicrobial** and antiparasitic activity.

INVENTOR: Schuer J P

LOCATION: Wegberg, Ger.

PATENT INFO: DE 19940605 A1 20010301

APPLICATION INFO: DE 1999-19940605 19990827

DOCUMENT TYPE: Patent

LANGUAGE: German

OTHER SOURCE: WPI: 2001-301223

FIELD AVAIL.: AB; LA; CT

AB A method for impregnating and treating microbially degradable, contaminable and/or spoilable materials/articles (A) or parasite-infested (A) by applying or distributing an **antimicrobial**/antiparasitic composition on the surface of (A) and/or incorporating the composition into (A), the active composition contains at least two GRAS (generally recognized as safe) aroma components (I), is claimed. An example was given for a surface self-decontamination composition containing 10% polyphenol (viz., **tannin (tannic acid)**), 18.2% **benzyl alcohol**, 60.0% polyethylene glycol, 8.0% **lactic acid** and 3.8% of a phenolic ethereal oil. The efficacy of the composition as a wood surface spray treatment (5.1-18.5 g/sq m) and by impregnation (60 and 185 g/sq m) was assessed against mold on fir (resinous and whole wood parts) and a tropical wood (bangkirei).

L157 ANSWER 7 OF 7 CROPU COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-84694 CROPU I F G

TITLE: Protection of **plants** against insect or microbial attack, using mixture of two or more aroma components, e.g. **benzyl alcohol** and **tannin**, having broad-spectrum **antimicrobial** and insecticidal activity and low toxicity.

INVENTOR: Schuer J P

LOCATION: Wegberg, Ger.

Levy 10/069476

PATENT INFO: DE 19940283 A1 20010301
APPLICATION INFO: DE 1990 19940283 19990825
DOCUMENT TYPE: Patent
LANGUAGE: German
OTHER SOURCE: WPI: 2001-236074
FIELD AVAIL.: AB; LA; CT

AB A method for protecting **plants** and/or **plant** parts against insects, insect larvae or microbial attack, comprising application or distribution of an insecticidal or **antimicrobial** composition (A) on the surface of the **plants** and/or incorporating (A) in the **plants**, where (A) contains at least two GRAS (generally recognized as safe) aroma components (I), provided that one of (I) is **benzyl alcohol** (BA) in the case of **antimicrobial** treatment, is claimed. In insecticidal/**antimicrobial** bioassays, a spray mixture of 10.0% polyphenol (viz. **tannic acid**), 18.2% BA, 60.0% **propylene glycol**, 8.0% **lactic acid** and 3.8% phenol-containing ethereal oil, in water or **rapeseed oil**, gave good control of e.g. *Myzus persicae* larvae, *Fusarium* sp., *Aspergillus ochraceus*, *A. niger*, *Penicillium* sp, *Rhizoctonia* sp., *Peronospora* sp., *Phytophthora* sp. and *Botrytis cinerea* in **wheat**, tobacco and coffee.

=> b hcap;d que 1103;b uspatfull;d que 1139;b agricola caba PASCAL BIOSIS CROPU
TOXCENTER WPIDS;d que 1156
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FILE COVERS 1907 - 18 Dec 2003 VOL 139 ISS 25
FILE LAST UPDATED: 17 Dec 2003 (20031217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

L19	24800	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	ESSENTIAL OIL#/OBI
L20	1942	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	"CROP (PLANT)"/CT
L21	195085	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	"CEREAL (GRAIN)"+OLD,NT/CT
L22	208790	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS+NT/CT
L23	278020	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	BACTERICID?/OBI OR ANTIBACTERI ?/OBI OR FUNGICID?/OBI OR ANTIFUNG?/OBI OR MICOBICID?/OBI OR ANTIMICROBI?/OBI OR INSECTICID?/OBI
L24	628348	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	PLANT#/OBI OR CROP#/OBI OR WHEAT/OBI OR CEREAL?/OBI
L67	1697	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	?PHENOL?/BI AND L19
L95	4571	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	((L20 OR L21)) AND L22
L96	3490	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	(L20 OR L21) (L) L23
L97	4029	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L22 (L) L24
L98	11771	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L24 (L) L23
L99	15614	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	(L95 OR L96 OR L97 OR L98)
L102	28	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L67 AND L99
L103	9	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L102 AND (5 OR 17)/CC, SX

Combination of ① phenol and ② essential oils and

③ Plant terms (Free Text & Controlled Terms) and

*5: Agrochemical
Bioregulators*

*17: Food & Food
Chemistry*

FILE 'USPATFULL' ENTERED AT 16:52:36 ON 18 DEC 2003
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Antimicrobial Terms (Free Text &

Controlled Terms)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Dec 2003 (20031218/PD)
FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)
HIGHEST GRANTED PATENT NUMBER: US6665873
HIGHEST APPLICATION PUBLICATION NUMBER: US2003233693
CA INDEXING IS CURRENT THROUGH 18 Dec 2003 (20031218/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Dec 2003 (20031218/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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>>> USPAT2 is now available.  USPATFULL contains full text of the  <<<
>>> original, i.e., the earliest published granted patents or  <<<
>>> applications.  USPAT2 contains full text of the latest US  <<<
>>> publications, starting in 2001, for the inventions covered in  <<<
>>> USPATFULL.  A USPATFULL record contains not only the original  <<<
>>> published document but also a list of any subsequent  <<<
>>> publications.  The publication number, patent kind code, and  <<<
>>> publication date for all the US publications for an invention  <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL  <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
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>>> enter this cluster.  <<<
>>>  <<<
>>> Use USPATALL when searching terms such as patent assignees,  <<<
>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.  <<<

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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L115      2122 SEA FILE=USPATFULL ABB=ON  PLU=ON  ANTIMICROBIAL AGENTS/CT
L116      4411 SEA FILE=USPATFULL ABB=ON  PLU=ON  ANTIBACTERIAL AGENTS/CT
L117      32209 SEA FILE=USPATFULL ABB=ON  PLU=ON  (ANTI (W) MICROBI? OR
          ANTIMICROBI? OR MICROBICI? OR ANTI(W)BACTERI? OR ANTIBACTERI?
          OR BACTERICID? OR ANTI(W)FUNG? OR ANTIFUNG? OR FUNGICID?)/IT,TI
          ,AB,CLM
L118      202 SEA FILE=USPATFULL ABB=ON  PLU=ON  "CROP (PLANT)"/CT
L119      490 SEA FILE=USPATFULL ABB=ON  PLU=ON  "CEREAL (GRAIN)"/CT
L120      400897 SEA FILE=USPATFULL ABB=ON  PLU=ON  PLANT? OR GRAIN? OR WHEAT?
          OR CROP# OR CEREAL?/IT,TI,AB,CLM
L125      43 SEA FILE=USPATFULL ABB=ON  PLU=ON  (L115 OR L116) AND (L118 OR
          L119)
L126      0 SEA FILE=USPATFULL ABB=ON  PLU=ON  S115-116 (5A) L120
L127      86 SEA FILE=USPATFULL ABB=ON  PLU=ON  L117 (5A) (L118 OR L119)
L128      1322 SEA FILE=USPATFULL ABB=ON  PLU=ON  L117 (5A) L120
L129      1385 SEA FILE=USPATFULL ABB=ON  PLU=ON  (L125 OR L126 OR L127 OR
          L128)
L137      46970 SEA FILE=USPATFULL ABB=ON  PLU=ON  ?PHENOL?//IT,TI,AB,CLM
L138      2132 SEA FILE=USPATFULL ABB=ON  PLU=ON  ESSENTIAL OIL?//IT,TI,AB,CLM

L139      1 SEA FILE=USPATFULL ABB=ON  PLU=ON  L137 AND L138 AND L129

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Combination of (1) Phenol (Free Text) and (2) essential oil and (3) Plant Terms [Controlled Terms and Free Text]

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and
Antimicrobial Terms
[Controlled Terms
&
Free Text]

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L145 203159 SEA (PLANT? OR CROP# OR WHEAT? OR GRAIN? OR CEREAL?) AND (ANTI
(W) MICROBI? OR ANTIMICROBI? OR MICROBICID? OR ANTI (W)
BACTERI? OR ANTIBACTERI? OR BACTERICID? OR ANTI (W) FUNG? OR
ANTIFUNG? OR FUNGICID?)

L146 1840 SEA ?PHENOL? AND ESSENTIAL OIL?

L152 197 SEA L145 AND L146

L156 2 SEA L152 AND (POST OR AFTER OR PRE) (W) HARVEST?

*Combination of ① Phenol and essential oils and ② Plant terms [Free Text]
and*

=> dup rem l103 l139 l156

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*Antimicrobial terms
[Free Text]*

AND

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③ HARVEST terms

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PROCESSING COMPLETED FOR L103
PROCESSING COMPLETED FOR L139
PROCESSING COMPLETED FOR L156

L158 12 DUP REM L103 L139 L156 (0 DUPLICATES REMOVED)
ANSWERS '1-9' FROM FILE HCAPLUS
ANSWER '10' FROM FILE USPATFULL
ANSWERS '11-12' FROM FILE WPIDS

display abstract and hit structure [HCAPLUS & USPATFULL]

=> d ibib abs hitstr 1-10; d ibib ab 11-12 -> *display bibliographic + abstract
information [WPIDS]*

L158 ANSWER 1 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:396537 HCAPLUS

DOCUMENT NUMBER: 136:381748

TITLE: *4* Insect-repellent antimicrobial agents
containing plant oils and/or extracts for
drains

INVENTOR(S): Abe, Toshio; Neishi, Michie; Muramoto, Takamitsu;
Sugiura, Masaaki

PATENT ASSIGNEE(S): Fumakilla Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002154907	A2	20020528	JP 2000-350083	20001116
PRIORITY APPLN. INFO.:			JP 2000-350083	20001116

AB The agents contain anise oil, orange oil, Cassia oil, mustard exts., wasabi exts., garlic oil, grapefruit oil, perilla oil, clove oil, cedarwood oil, citronella oil, cinnamon oil, cinnamon leaf oil, geranium oil, thyme white oil, Mentha arvensis oil, hiba oil, hinoki oil, pimento oil, fennel oil, pennyroyal oil, peppermint oil, bergamot oil, Eucalyptus oil, Artemisia vulgaris indica exts., lavender oil, rue oil, and/or lemongrass oil supported on porous carriers which dissolve or disintegrate in running water. A tablet (35 mm .vphi. + 18 mm) containing anise oil 2.0, **isopropylmethylphenol** 10.0, nonionic surfactant 1.0, H2O 2.0, and sepiolite 85.0 weight% showed 75 and 80% repellency against *Telmatoscopus albipunctatus* and *Drosophila melanogaster*.

L158 ANSWER 2 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:78213 HCAPLUS
 DOCUMENT NUMBER: 136:114243
 TITLE: Nontoxic plant growth regulators
 INVENTOR(S): Inada, Shinichi
 PATENT ASSIGNEE(S): Joribu K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002029908	A2	20020129	JP 2000-215667	20000717
PRIORITY APPLN. INFO.:			JP 2000-215667	20000717

AB The plant growth regulators are emulsified or solubilized compns. containing naturally occurring antimicrobial substances (e.g., essential oils, proteins, plant exts.) and surfactants or higher alc.-based nonionic surfactants. Water may be used in place of or in addition to surfactants or higher alc.-based nonionic surfactants. The plant growth regulators also show insecticidal and antimicrobial effects (no data).

L158 ANSWER 3 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:591669 HCAPLUS
 DOCUMENT NUMBER: 137:154384
 TITLE: Symbiotic regenerative compositions containing microorganisms
 INVENTOR(S): Schuer, Joerg-Peter
 PATENT ASSIGNEE(S): Germany
 SOURCE: Eur. Pat. Appl., 25 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1228769	A1	20020807	EP 2001-102384	20010202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
WO 2002067986	A2	20020906	WO 2002-EP1056	20020201
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			EP 2001-102384	A 20010202
AB The invention concerns regenerative drugs, dietary supplements, feed additives that contain microorganisms and modulating substances, e.g. enzymes, GRAS (Generally Recognized As Safe) aromas, plant exts. Further the compns. contain vitamins, minerals, growth promoters, carrier substances, etc. Microorganisms are a-pathogenic, pathogenic or facultative pathogenic,.				
REFERENCE COUNT:		5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT	
L158 ANSWER 4 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN				
ACCESSION NUMBER:		2001:152427 HCAPLUS		
DOCUMENT NUMBER:		134:174268		
TITLE:		Insecticides and microbicides for plants		
INVENTOR(S):		Schuer, Joerg		
PATENT ASSIGNEE(S):		Germany		
SOURCE:		PCT Int. Appl., 39 pp.		
		CODEN: PIXXD2		
DOCUMENT TYPE:		Patent		
LANGUAGE:		German		
FAMILY ACC. NUM. COUNT:		1		
PATENT INFORMATION:				

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001013727	A1	20010301	WO 2000-EP8344	20000825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19940283	A1	20010301	DE 1999-19940283	19990825
EP 1206184	A1	20020522	EP 2000-969251	20000825
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003507397	T2	20030225	JP 2001-517880	20000825
ZA 2002001510	A	20030311	ZA 2002-1510	20020222

PRIORITY APPLN. INFO.: DE 1999-19940283 A 19990825
WO 2000-EP8344 W 20000825

AB The invention relates to agents for protecting plants and/or parts of plants from insects and insect larvae and from microbial attack. The agents are lipophilic GRAS (generally recognized as safe) flavoring compds and hydrophilic GRAS. The lipophilic GRAS flavoring compds. are alcs. (benzyl alc., 1- or 2-phenylethanol, cinnamic alc., hydrocinnamic alc., etc.). The hydrophilic GRAS agents are alcs. (ethanol, propanol, isopropanol, etc.) or organic acids.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L158 ANSWER 5 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:751127 HCAPLUS

DOCUMENT NUMBER: 137:19470

TITLE: Phyto-**phenols**

AUTHOR(S): Davidson, P. M.; Naidu, A. S.

CORPORATE SOURCE: USA

SOURCE: Natural Food Antimicrobial Systems (2000), 265-294.
Editor(s): Naidu, A. S. CRC Press LLC: Boca Raton, Fla.
CODEN: 69BXHG

DOCUMENT TYPE: Conference; General Review

LANGUAGE: English

AB A review discussing the antimicrobial properties of plant **phenolic** compds. from essential oils of spices, herbs, etc. The multifunctional benefits of selected **phenols** as food additives are also described.

REFERENCE COUNT: 141 THERE ARE 141 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L158 ANSWER 6 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1997:90716 HCAPLUS

DOCUMENT NUMBER: 126:100691

TITLE: Clove oil as a **plant fungicide**

INVENTOR(S): Walter, James Frederic; Locke, James Charles;
Normoyle, Michele Carter

PATENT ASSIGNEE(S): Thermo Trilogy Corporation, USA

SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9639846	A1	19961219	WO 1996-US8894	19960605
W: AU, CA, IL, JP, MX, NZ				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9660436	A1	19961230	AU 1996-60436	19960605
PRIORITY APPLN. INFO.:		US 1995-481858	19950607	
		WO 1996-US8894	19960605	

AB A clove oil formulation which inhibits soil-borne fungal diseases is disclosed. The formulation includes about 70-90 % by weight rectified clove oil, and about 2-30 % by weight surfactant. The surfactant includes about 15-95 % by weight nonionic compds., such as ethoxylated monoglycerides,

ethoxylated diglycerides, ethoxylated alcs., silicone glycol copolymers, sorbitan fatty acid esters, ethoxylated alkyl **phenols**, ethylene oxide block copolymers, and propylene oxide block copolymers. The surfactant further includes about 5-85 % by weight anionic compds., such as amine alkylaryl sulfonate, calcium alkylaryl sulfonate and phosphate esters. The formulation may also include ≤ 30 % by weight solvent, such as alc., esters, glycol ethers, mineral oil, Me esters and hydrocarbon solvents.

L158 ANSWER 7 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1996:616118 HCAPLUS
DOCUMENT NUMBER: 125:249466
TITLE: Functional moldings slowly releasing vaporizable ingredients
INVENTOR(S): Matsuda, Masahiro; Kitano, Hisao
PATENT ASSIGNEE(S): Kokando Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08183897	A2	19960716	JP 1994-339768	19941228
JP 3433246	B2	20030804		

PRIORITY APPLN. INFO.: JP 1994-339768 19941228

AB The title moldings are prepared from 1-30% mixts. of (a) vaporizable perfumes, deodorants, bactericides, fungicides, anti-corrosion agents, and/or antirust agents (e.g., lemon oil) and (b) wax- or oligomer-type ester plasticizers (e.g., hydrogenated jojoba oil) with 70-99% (c) ester-type biodegradable synthetic resins (e.g., polycaprolactone) by mixing at 40-150° and molding to articles.

L158 ANSWER 8 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1996:371769 HCAPLUS
DOCUMENT NUMBER: 125:141069
TITLE: Antimicrobial activity of volatiles from edible herbs
AUTHOR(S): Ogawa, Tetsuro; Isshiki, Kenji
CORPORATE SOURCE: Food Process. Res. Inst. Shimane Prefect., Hamada, 697, Japan
SOURCE: Nippon Shokuhin Kagaku Kogaku Kaishi (1996), 43(5), 535-540
CODEN: NSKKEF; ISSN: 1341-027X
PUBLISHER: Nippon Shokuhin Kagaku Kogakkai
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Volatiles including allyl isothiocyanate (AIT) in herbs were examined to evaluate their antimicrobial activities by gaseous contact. Combination effects of volatiles were also examined AIT suppressed the growth of all microorganisms tested. Salicylaldehyde also showed antimicrobial effects to all fungi and bacteria tested. Other aldehydes showed inhibitory effects on the growth of fungi and Bacillus subtilis. Hydrocarbons inhibited the growth of B. subtilis. In the case of Staphylococcus aureus, carvacrol was more effective to suppress its growth than AIT. Masking effects of plant volatiles on AIT odor were confirmed with sensory anal. Citrus oils and vanilla flavor were superior for masking AIT odor.

Antimicrobial effects of AIT were not affected by mixing with plant volatiles.

L158 ANSWER 9 OF 12 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1994:71533 HCAPLUS
 DOCUMENT NUMBER: 120:71533
 TITLE: Biological activities and utilization of terpenes
 AUTHOR(S): Yatagai, Mitsuyoshi; Miyazaki, Yoshifumi; Ohira, Tatsuro
 CORPORATE SOURCE: For. For. Prod. Res. Inst., Tsukuba, 305, Japan
 SOURCE: Baiomasu Henkan Keikaku Kenkyu Hokoku (1991), 27, 33-53
 CODEN: BHKHEZ; ISSN: 0913-4549
 DOCUMENT TYPE: Journal
 LANGUAGE: Japanese

AB Pisiferic acid and its homologs which were contained in *Chamaecyparis pisifera* and its cultivars had great anti-oxidative and miticidal activities. The anti-oxidative activities of pisiferic acid and pisiferol were 45-60 that of control, and 4-10 times that of α -tocopherol. The oxidized compds. had greater miticidal activities. Carboxyl group contributed greatly to miticidal activities of pisiferic acid and its homologs, on the other hand **phenolic** group did not. The essential oils and extractives from the bogwood of yakusugi, which is a variety of *Cryptomeria japonica*, have been studied quant. in addition to normal yakusugi and sanmusugi, which is also a variety of *C. japonica* growing on Honsyu, the main island of Japan. The amount of essential oils from the bogwood of yakusugi was 25 times that from sanmusugi and 6 times that of normal wood. The essential oils of yakusugi and its bogwood contained much more oxygenated compds., such as sesquiterpene alcs. and ketones, than those of sanmusugi. The miticidal activities of the extractives and the essential oils from yakusugi on house dust mites has been studied. The n-hexane extractives and the essential oils from the bogwood of yakusugi had great miticidal activities as did the essential oils from the normal yakusugi. β -Eudesmol and cedrol had the great activities among the essential-oil components of yakusugi bogwood. The essential oils and extractives of normal yakusugi and its bogwood had germination delaying effects on radish seeds at 0.1%. Friedelin-3 α -yl acetate has been isolated from the leaves of *Bischofia javanica*. The methanol extractives of the leaves had growth delaying effects on radish seedlings. The oxygen consumption was measured after monoterpenes were added to hepatic microsomal fraction of rat. This method was effective as a preliminary screening to survey biol. active substance.

L158 ANSWER 10 OF 12 USPATFULL on STN

ACCESSION NUMBER: 97:96560 USPATFULL
 TITLE: Clove oil as a **plant fungicide**
 INVENTOR(S): Walter, James Frederic, Ashton, MD, United States
 Locke, James Charles, Silver Spring, MD, United States
 Normoyle, Michele Carter, Burtonsville, MD, United States
 PATENT ASSIGNEE(S): Thermo Trilog Corporation, Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5679351		19971021
APPLICATION INFO.:	US 1995-481858		19950607 (8)

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Rollins, John W.
 LEGAL REPRESENTATIVE: Quarles & Brady
 NUMBER OF CLAIMS: 9
 EXEMPLARY CLAIM: 1
 LINE COUNT: 510

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A clove oil formulation which inhibits soil-borne fungal diseases is disclosed. The formulation includes about 70-90% by weight rectified clove oil, and about 2-30% by weight surfactant. The surfactant includes about 15-95% by weight nonionic compounds such as ethoxylated monoglycerides, ethoxylated diglycerides, ethoxylated alcohols, silicone glycol copolymers, sorbitan fatty acid esters, ethoxylated alkyl **phenols**, ethylene oxide block copolymers, and propylene oxide block copolymers. The surfactant further includes about 5-85% by weight anionic compounds such as amine alkylaryl sulfonate, calcium alkylaryl sulfonate and phosphate esters. The formulation may also include up to about 30% by weight of a solvent such as alcohol, esters, glycol ethers, mineral oil, methyl esters and hydrocarbon solvents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L158 ANSWER 11 OF 12 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2003-441065 [41] WPIDS
 DOC. NO. CPI: C2003-116571
 TITLE: Microbiocidal aqueous formulation used for protecting fruits and vegetables against pre- and **post-harvest** decay comprises **essential oil** component and stabilizer.
 DERWENT CLASS: A97 C03 D22 E19
 INVENTOR(S): BEN-YEHOSHUA, S
 PATENT ASSIGNEE(S): (BENY-I) BEN-YEHOSHUA S
 COUNTRY COUNT: 101
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2003028451	A2	20030410	(200341)*	EN	28
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW					

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2003028451	A2	WO 2002-IL808	20021003

PRIORITY APPLN. INFO: IL 2001-145767 20011004

AB WO2003028451 A UPAB: 20030630

NOVELTY - Microbiocidal aqueous formulation (F) comprises at least one **essential oil** (A) or its derivatives and at least one stabilizer (B). The derivatives are obtained by exposure to light and/or by oxidation. (B) Comprises 10-50% ethanol, an emulsifier (C), an antioxidant (D) or an encapsulating agent (E).

ACTIVITY - **Plant antibacterial; Plant antifungal; Plant protectant; Antibacterial; Fungicide.**

In a test, unblemished harvested grapefruit were inoculated with *Penicillium digitatum* (106 spores/ml) to a depth of 1.5 mm in the flavedo tissue. The grapefruit were kept at 17 deg. C and 85% humidity for 24 hours and then dipped for 2 minutes in 0.2% citral in 25% ethanol which inhibited fruit decay for 18 days, compared to control fruit dipped in water which decayed after 8 days.

MECHANISM OF ACTION - None given.

USE - Used for inhibiting microbial development, protecting fruits and vegetables against pre- and **post-harvest** decay, preventing spoilage of meat or fish, preventing growth of *Staphylococcus aureus* and *Candida albicans* and as a nutraceutical composition (claimed). (F) Is also used to prevent decay of agricultural produce, for relieving or treating minor infections caused by microbials and protecting perishable agricultural produce from decay caused by microbials.

ADVANTAGE - (F) Improves decay resistance of perishable agricultural produce household and human hygiene by heat and ultraviolet treatment, is environmentally friendly as it prevents known phytotoxic damage of the **essential oil** components and the stability of the **essential oils**.

Dwg.0/15

L158 ANSWER 12 OF 12 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2001-236074 [25] WPIDS
 DOC. NO. CPI: C2001-071081
 TITLE: Protection of **plants** against insect or microbial attack, using mixture of two or more aroma components, e.g. benzyl alcohol and tannin, having broad-spectrum **antimicrobial** and insecticidal activity and low toxicity.
 DERWENT CLASS: C03
 INVENTOR(S): SCHUER, J P; SCHUER, J
 PATENT ASSIGNEE(S): (SCHU-I) SCHUR J; (SCHU-I) SCHUER J P; (SCHU-I) SCHUER J
 COUNTRY COUNT: 95
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
DE 19940283	A1	20010301	(200125)*		11
WO 2001013727	A1	20010301	(200125)	GE	
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ					
NL OA PT SD SE SL SZ TZ UG ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM					
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC					
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE					
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
AU 2000079038	A	20010319	(200136)		
EP 1206184	A1	20020522	(200241)	GE	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT					
RO SE SI					

JP 2003507397 W 20030225 (200317) 38
 ZA 2002001510 A 20030528 (200341) 46

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 19940283	A1	DE 1999-19940283	19990825
WO 2001013727	A1	WO 2000-EP8344	20000825
AU 2000079038	A	AU 2000-79038	20000825
EP 1206184	A1	EP 2000-969251	20000825
		WO 2000-EP8344	20000825
JP 2003507397	W	WO 2000-EP8344	20000825
		JP 2001-517880	20000825
ZA 2002001510	A	ZA 2002-1510	20020222

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000079038	A Based on	WO 2001013727
EP 1206184	A1 Based on	WO 2001013727
JP 2003507397	W Based on	WO 2001013727

PRIORITY APPLN. INFO: DE 1999-19940283 19990825

AB DE 19940283 A UPAB: 20010508

NOVELTY - In a method for protecting **plants** and/or **plant** parts against insects, insect larvae or microbial attack by applying or distributing an insecticidal or **antimicrobial** composition (A) on the surface of the **plants** and/or incorporating (A) in the **plants**, (A) contains at least two GRAS (generally recognized as safe) aroma components (I), provided that one of (I) is benzyl alcohol in the case of **antimicrobial** treatment.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the insecticidal or **antimicrobial**/biocidal (specifically **fungicidal** or **bactericidal**) compositions (A).

ACTIVITY - Insecticidal; **antibacterial**; **fungicidal**; virucidal.

MECHANISM OF ACTION - None given.

USE - The **plants** or **plant** parts to be treated are specifically cotton, **cereals**, rice, maize, potatoes, tobacco, coffee, cacao, tea, vegetables, fruit, nuts, spices, herbs, seeds, ornamental **plants**, growing flowers or cut flowers (all claimed).

ADVANTAGE - (I) are effective against a broad spectrum of insects and microorganisms, including mildews, rust fungi, Lepidoptera, Myzus persicae and viruses. They have good **antimicrobial** and insecticidal activity and low toxicity (allowing use shortly before or **after harvest**).

Dwg. 0/0

4

=> b hcap;d que 1104;b uspatfull;d que 1140;b agricola caba PASCAL BIOSIS CROPU
 TOXCENTER WPIDS;d que 1153
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FILE COVERS 1907 - 18 Dec 2003 VOL 139 ISS 25
 FILE LAST UPDATED: 17 Dec 2003 (20031217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

L1	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	BENZYL ALCOHOL/CN
L2	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	PROPYLENE GLYCOL/CN
L6	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	TANNIC ACID/CN
L7	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	TANNIN/CN
L11	28635	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	BENZYL ALCOHOL/OBI
L12	19343	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	PROPYLENE GLYCOL/OBI
L15	2659	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	TANNIC ACID?/OBI
L16	36868	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	TANNIN?/OBI
L20	1942	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	"CROP (PLANT)"/CT
L21	195085	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	"CEREAL (GRAIN)"+OLD,NT/CT
L22	208790	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS+NT/CT
L23	278020	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	BACTERICID?/OBI OR ANTIBACTERI ?/OBI OR FUNGICID?/OBI OR ANTIFUNG?/OBI OR MICOBICID?/OBI OR ANTIMICROBI?/OBI OR INSECTICID?/OBI
L24	628348	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	PLANT#/OBI OR CROP#/OBI OR WHEAT/OBI OR CEREAL?/OBI
L30	19901	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L1
L31	21201	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L2
L35	43	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L6
L36	43	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L7
L39	35462	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L11 OR L30
L40	29483	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L12 OR L31
L43	2672	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L15 OR L35
L44	36880	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L16 OR L36
L68	10	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L39 AND L40 AND (L43 OR L44)
L95	4571	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	((L20 OR L21)) AND L22
L96	3490	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L20 OR L21) (L) L23
L97	4029	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L22 (L) L24
L98	11771	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	L24 (L) L23
L99	15614	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON	(L95 OR L96 OR L97 OR L98)

L104 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L68 AND L99

Combination of ① benzyl alcohol and propylene glycol and (tannin or tannic acid) and
 ② Plant terms [Free Text & Controlled Terms] and Antimicrobial terms
 [Free Text & Controlled Terms]

FILE 'USPATFULL' ENTERED AT 16:53:52 ON 18 DEC 2003
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Dec 2003 (20031218/PD)
 FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)
 HIGHEST GRANTED PATENT NUMBER: US6665873
 HIGHEST APPLICATION PUBLICATION NUMBER: US2003233693
 CA INDEXING IS CURRENT THROUGH 18 Dec 2003 (20031218/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Dec 2003 (20031218/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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L1	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	BENZYL ALCOHOL/CN
L2	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	PROPYLENE GLYCOL/CN
L6	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	TANNIC ACID/CN
L7	1	SEA	FILE=REGISTRY	ABB=ON	PLU=ON	TANNIN/CN
L107	2864	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L1
L108	5688	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L2
L109	5	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L6
L110	5	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	L7
L111	3606	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	BENZYL ALCOHOL/IT, TI, AB, CLM
L112	13496	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	PROPYLENE GLYCOL/IT, TI, AB, CLM
L113	474	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	TANNIC ACID/IT, TI, AB, CLM
L114	2388	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	TANNIN?/IT, TI, AB, CLM
L115	2122	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS/CT
L116	4411	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	ANTIBACTERIAL AGENTS/CT
L117	32209	SEA	FILE=USPATFULL	ABB=ON	PLU=ON	(ANTI (W) MICROBI? OR ANTIMICROBI? OR MICROBICI? OR ANTI (W) BACTERI? OR ANTIBACTERI?

OR BACTERICID? OR ANTI(W) FUNG? OR ANTIFUNG? OR FUNGICID?)/IT, TI
 ,AB,CLM
 L118 202 SEA FILE=USPATFULL ABB=ON PLU=ON "CROP (PLANT)"/CT
 L119 490 SEA FILE=USPATFULL ABB=ON PLU=ON "CEREAL (GRAIN)"/CT
 L120 400897 SEA FILE=USPATFULL ABB=ON PLU=ON PLANT? OR GRAIN? OR WHEAT?
 OR CROP# OR CEREAL?/IT, TI, AB, CLM
 L121 4488 SEA FILE=USPATFULL ABB=ON PLU=ON L107 OR L111
 L122 14714 SEA FILE=USPATFULL ABB=ON PLU=ON L108 OR L112
 L123 475 SEA FILE=USPATFULL ABB=ON PLU=ON L109 OR L113
 L124 2392 SEA FILE=USPATFULL ABB=ON PLU=ON L110 OR L114
 L125 43 SEA FILE=USPATFULL ABB=ON PLU=ON (L115 OR L116) AND (L118 OR
 L119)
 L126 0 SEA FILE=USPATFULL ABB=ON PLU=ON S115-116 (5A) L120
 L127 86 SEA FILE=USPATFULL ABB=ON PLU=ON L117 (5A) (L118 OR L119)
 L128 1322 SEA FILE=USPATFULL ABB=ON PLU=ON L117 (5A) L120
 L129 1385 SEA FILE=USPATFULL ABB=ON PLU=ON (L125 OR L126 OR L127 OR
 L128)
 L140 0 SEA FILE=USPATFULL ABB=ON PLU=ON L121 AND L122 AND (L123 OR
 L124) AND L129

*Combination of ① Benzyl alcohol and propylene glycol and (tannin or tannic acid)
 AND ② Plant terms [Free Text and Controlled Terms] and Antimicrobial*

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L145 203159 SEA (PLANT? OR CROP# OR WHEAT? OR GRAIN? OR CEREAL?) AND (ANTI
 (W) MICROBI? OR ANTIMICROBI? OR MICROBICID? OR ANTI(W)
 BACTERI? OR ANTIBACTERI? OR BACTERICID? OR ANTI(W) FUNG? OR
 ANTIFUNG? OR FUNGICID?)
 L147 6 SEA BENZYL ALCOHOL AND PROPYLENE GLYCOL AND (TANNIN? OR TANNIC
 ACID)
 L153 1 SEA L145 AND L147

Combination of ① Benzyl alcohol and Propylene Glycol and (Tannin or Tannic Acid)

=> dup rem 1104 1140 1153

L140 HAS NO ANSWERS

FILE 'HCAPLUS' ENTERED AT 16:54:05 ON 18 DEC 2003

*② Plant terms [Free Text] and Antimicrobial
 terms (Free Text)*

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PROCESSING COMPLETED FOR L104

PROCESSING COMPLETED FOR L140

PROCESSING COMPLETED FOR L153

L159 5 DUP REM L104 L140 L153 (0 DUPLICATES REMOVED)

ANSWERS '1-4' FROM FILE HCAPLUS

ANSWER '5' FROM FILE CROPU

display abstract, hit structure along with bibliographic info [HCAPlus]
=> d ibib abs hitstr 1-4; d ibib ab 5

↳ display bibliographic info and abstract [CROPU]

L159 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:368343 HCAPLUS

DOCUMENT NUMBER: 136:374859

TITLE: Synergistic antimicrobial agents containing aromatic agents and having an antagonistic, regenerative and/or protagonist decontamination effect

INVENTOR(S): Schuer, Joerg P.

PATENT ASSIGNEE(S): Germany

SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038181	A2	20020516	WO 2001-EP12974	20011109
WO 2002038181	A3	20030515		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1205188	A1	20020515	EP 2000-124497	20001109
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
AU 2002027913	A5	20020521	AU 2002-27913	20011109
EP 1331946	A2	20030806	EP 2001-989449	20011109
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

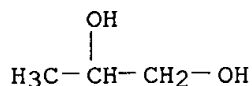
PRIORITY APPLN. INFO.: EP 2000-124497 A 20001109

WO 2001-EP12974 W 20011109

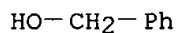
AB The invention relates to medicaments comprising a microbicidal composition consisting of at least two GRAS (Generally Recognized As Safe) aromatic agents or their derivs., and to the use of these compns. for producing decontamination and/or regenerative agents for treating humans and animals. Thus an antimicrobial composition contained (weight/weight%): anise alc.

45; borneol 35; rhodinol 20.

IT 57-55-6, Propyleneglycol, biological studies 100-51-6,
Benzylalcohol, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(synergistic antimicrobial agents containing aromatic agents and having
antagonistic, regenerative and/or protagonist decontamination effect)
RN 57-55-6 HCAPLUS
CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS
CN Benzenemethanol (9CI) (CA INDEX NAME)



L159 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2002:591669 HCAPLUS
DOCUMENT NUMBER: 137:154384
TITLE: Symbiotic regenerative compositions containing
microorganisms
INVENTOR(S): Schuer, Joerg-Peter
PATENT ASSIGNEE(S): Germany
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

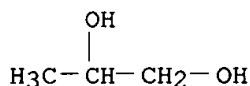
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1228769	A1	20020807	EP 2001-102384	20010202
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
WO 2002067986	A2	20020906	WO 2002-EP1056	20020201
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: EP 2001-102384 A 20010202

AB The invention concerns regenerative drugs, dietary supplements, feed additives that contain microorganisms and modulating substances, e.g. enzymes, GRAS (Generally Recognized As Safe) aromas, plant exts. Further the compns. contain vitamins, minerals, growth promoters, carrier

substances, etc. Microorganisms are a-pathogenic, pathogenic or facultative pathogenic,.

IT 57-55-6, Propyleneglycol, biological studies 100-51-6,
Benzylalcohol, biological studies
RL: FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(symbiotic regenerative compns. containing microorganisms)
RN 57-55-6 HCAPLUS
CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS
CN Benzenemethanol (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L159 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2001:152427 HCAPLUS
DOCUMENT NUMBER: 134:174268
TITLE: **Insecticides** and microbicides for **plants**
INVENTOR(S): Schuer, Joerg
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001013727	A1	20010301	WO 2000-EP8344	20000825
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AG , BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19940283	A1	20010301	DE 1999-19940283	19990825
EP 1206184	A1	20020522	EP 2000-969251	20000825
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003507397	T2	20030225	JP 2001-517880	20000825
ZA 2002001510	A	20030311	ZA 2002-1510	20020222

PRIORITY APPLN. INFO.:

DE 1999-19940283 A 19990825

WO 2000-EP8344 W 20000825

AB The invention relates to agents for protecting plants and/or parts of plants from insects and insect larvae and from microbial attack. The agents are lipophilic GRAS (generally recognized as safe) flavoring compds and hydrophilic GRAS. The lipophilic GRAS flavoring compds. are alcs. (benzyl alc., 1- or 2-phenylethanol, cinnamic alc., hydrocinnamic alc., etc.). The hydrophilic GRAS agents are alcs. (ethanol, propanol, isopropanol, etc.) or organic acids.

IT 57-55-6, **Propylene glycol**, biological studies

100-51-6, **(Benzyl alcohol)**, biological studies

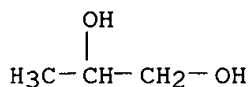
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(**insecticide** and microbicide for **plants** or

plant parts)

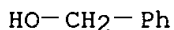
RN 57-55-6 HCAPLUS

CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS

CN Benzenemethanol (9CI) (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L159 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1993:455828 HCAPLUS

DOCUMENT NUMBER: 119:55828

TITLE: Status of certain additional over-the-counter drug category II and III active ingredients

CORPORATE SOURCE: United States Food and Drug Administration, Rockville, MD, 20857, USA

SOURCE: Federal Register (1993), 58(88), 27636-44, 10 May 1993
CODEN: FEREAC; ISSN: 0097-6326

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Certain over-the-counter drugs are not generally recognized as safe and effective or are misbranded under the Federal Food, Drug, and Cosmetic Act. The list includes digestive, external analgesic, insect bite and sting, poison ivy, skin protectant, diaper rash, topical antifungal, and oral analgesic products.

IT 57-55-6, 1,2-Propanediol, biological studies 100-51-6,

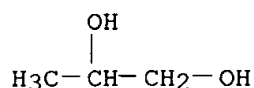
Benzenemethanol, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(over-the-counter preps. containing, stds. for)

RN 57-55-6 HCAPLUS

CN 1,2-Propanediol (8CI, 9CI) (CA INDEX NAME)



RN 100-51-6 HCAPLUS
CN Benzenemethanol (9CI) (CA INDEX NAME)

HO-CH₂-Ph

L159 ANSWER 5 OF 5 CROPU COPYRIGHT 2003 THOMSON DERWENT on STN
ACCESSION NUMBER: 2001-84694 CROPU I F G
TITLE: Protection of **plants** against insect or microbial
attack, using mixture of two or more aroma components, e.g.
benzyl alcohol and **tannin**, having
broad-spectrum **antimicrobial** and insecticidal
activity and low toxicity.
INVENTOR: Schuer J P
LOCATION: Wegberg, Ger.
PATENT INFO: DE 19940283 'A1 20010301
APPLICATION INFO: DE 1999-19940283 19990025
DOCUMENT TYPE: Patent
LANGUAGE: German
OTHER SOURCE: WPI: 2001-236074
FIELD AVAIL.: AB; LA; CT
AB A method for protecting **plants** and/or **plant** parts
against insects, insect larvae or microbial attack, comprising
application or distribution of an insecticidal or **antimicrobial**
composition (A) on the surface of the **plants** and/or
incorporating (A) in the **plants**, where (A) contains at least
two GRAS (generally recognized as safe) aroma components (I), provided
that one of (I) is **benzyl alcohol** (BA) in the case of
antimicrobial treatment, is claimed. In insecticidal/
antimicrobial bioassays, a spray mixture of 10.0% polyphenol
(viz. **tannic acid**), 18.2% BA, 60.0% **propylene**
-glycol, 8.0% lactic acid and 3.8% phenol-containing ethereal
oil, in water or rapeseed oil, gave good control of e.g. *Myzus persicae*
larvae, *Fusarium* sp., *Aspergillus ochraceus*., *A. niger*, *Penicillium* sp,
Rhizoctonia sp., *Peronospora* sp., *Phytophthora* sp. and *Botrytis cinerea*
in **wheat**, tobacco and coffee.

=> b hcap;d que 128;b uspatfull;d que 155;b agricola caba pascal biosis cropu
toxcenter wpids;d que 167

FILE 'HCAPLUS' ENTERED AT 10:01:18 ON 19 DEC 2003

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 19 Dec 2003 VOL 139 ISS 26

FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

L1	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	LACTIC ACID/CN
L2	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	TANNIC ACID/CN
L5	45971	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L1
L6	43	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L2
L9	48694	SEA FILE=HCAPLUS ABB=ON	PLU=ON	LACTIC ACID?/OBI
L10	2659	SEA FILE=HCAPLUS ABB=ON	PLU=ON	TANNIC ACID?/OBI
L13	1942	SEA FILE=HCAPLUS ABB=ON	PLU=ON	"CROP (PLANT)"/CT
L14	195125	SEA FILE=HCAPLUS ABB=ON	PLU=ON	"CEREAL (GRAIN)"+OLD,NT/CT
L15	720966	SEA FILE=HCAPLUS ABB=ON	PLU=ON	PLANT#/OBI OR CROP#/OBI OR WHEAT/OBI OR GRAIN?/OBI OR CEREAL?/OBI
L17	208843	SEA FILE=HCAPLUS ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS+NT/CT
L18	280221	SEA FILE=HCAPLUS ABB=ON	PLU=ON	BACTERICID?/OBI OR ANTIBACTERI ?/OBI OR MICROBICID?/OBI OR ANTIMICROBI?/OBI OR FUNGICID?/OBI OR ANTIFUNG?/OBI OR INSECTICID?/OBI
L19	77997	SEA FILE=HCAPLUS ABB=ON	PLU=ON	INSECTICIDES +NT/CT
L20	65180	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L5 OR L9
L21	2672	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L6 OR L10
L24	7579	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L13 OR L14) AND (L17 OR L19)
L25	6577	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L15 (L) (L17 OR L19)
L26	12469	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L15 (L) L18
L27	17370	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L24 OR L25 OR L26)
L28	0	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L20 AND L21 AND L27

*Combination of Lactic acid and tannic acid and ② Plant terms (Free text and Controlled
and Terms)*

FILE 'USPATFULL' ENTERED AT 10:01:18 ON 19 DEC 2003

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*Antimicrobial terms (Free text
& Controlled
terms)*

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Dec 2003 (20031218/PD)
 FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)
 HIGHEST GRANTED PATENT NUMBER: US6665873
 HIGHEST APPLICATION PUBLICATION NUMBER: US2003233693
 CA INDEXING IS CURRENT THROUGH 18 Dec 2003 (20031218/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Dec 2003 (20031218/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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 >>> original, i.e., the earliest published granted patents or <<<
 >>> applications. USPAT2 contains full text of the latest US <<<
 >>> publications, starting in 2001, for the inventions covered in <<<
 >>> USPATFULL. A USPATFULL record contains not only the original <<<
 >>> published document but also a list of any subsequent <<<
 >>> publications. The publication number, patent kind code, and <<<
 >>> publication date for all the US publications for an invention <<<
 >>> are displayed in the PI (Patent Information) field of USPATFULL <<<
 >>> records and may be searched in standard search fields, e.g., /PN, <<<
 >>> /PK, etc. <<<

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 >>> classifications, or claims, that may potentially change from <<<
 >>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
 substance identification.

L1	1	SEA FILE=REGISTRY	ABB=ON	PLU=ON	LACTIC ACID/CN
L2	1	SEA FILE=REGISTRY	ABB=ON	PLU=ON	TANNIC ACID/CN
L30	3417	SEA FILE=USPATFULL	ABB=ON	PLU=ON	L1
L31	5	SEA FILE=USPATFULL	ABB=ON	PLU=ON	L2
L34	7457	SEA FILE=USPATFULL	ABB=ON	PLU=ON	(LACTIC ACID?)/TI,IT,AB,CLM
L35	474	SEA FILE=USPATFULL	ABB=ON	PLU=ON	(TANNIC ACID?)/TI,IT,AB,CLM
L38	202	SEA FILE=USPATFULL	ABB=ON	PLU=ON	"CROP (PLANT)"/CT
L39	490	SEA FILE=USPATFULL	ABB=ON	PLU=ON	"CEREAL (GRAIN)"/CT
L40	95810	SEA FILE=USPATFULL	ABB=ON	PLU=ON	(PLANT# OR CROP# OR WHEAT OR GRAIN? OR CEREAL?)/TI,IT,AB,CLM
L42	2122	SEA FILE=USPATFULL	ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS/CT
L43	4411	SEA FILE=USPATFULL	ABB=ON	PLU=ON	ANTIBACTERIAL AGENTS/CT
L44	6530	SEA FILE=USPATFULL	ABB=ON	PLU=ON	INSECTICIDES/CT
L45	38820	SEA FILE=USPATFULL	ABB=ON	PLU=ON	(BACTERICID? OR ANTIBACTERI? OR MICROBICID? OR ANTIMICROBI? OR FUNGICID? OR ANTIFUNG? OR INSECTICID?)/TI,IT,AB,CLM
L46	8027	SEA FILE=USPATFULL	ABB=ON	PLU=ON	L30 OR L34
L47	475	SEA FILE=USPATFULL	ABB=ON	PLU=ON	L31 OR L35
L50	64	SEA FILE=USPATFULL	ABB=ON	PLU=ON	(L38 OR L39) AND (L42 OR L43 OR L44)
L51	106	SEA FILE=USPATFULL	ABB=ON	PLU=ON	(L38 OR L39) (5A) L45
L52	2207	SEA FILE=USPATFULL	ABB=ON	PLU=ON	L40 (5A) (L42 OR L43 OR L44)

L53 1951 SEA FILE=USPATFULL ABB=ON PLU=ON L40 (5A) L45
 L54 3715 SEA FILE=USPATFULL ABB=ON PLU=ON (L50 OR L51 OR L52 OR L53)
 L55 6 SEA FILE=USPATFULL ABB=ON PLU=ON (L46 AND L47) AND L54

Combination of ① lactic acid and ② tannic acid and ③ Plant terms (Free Text + Controlled Terms)

FILE 'AGRICOLA' ENTERED AT 10:01:18 ON 19 DEC 2003

*and
 antimicrobial ~~concepts~~ Terms
 (Free Text and
 Controlled
 Terms)*

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FILE 'WPIDS' ENTERED AT 10:01:18 ON 19 DEC 2003
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L57 83230 SEA LACTIC ACID?
 L58 7464 SEA TANNIC ACID?
 L61 6599588 SEA PLANT# OR CROP# OR WHEAT OR GRAIN? OR CEREAL?
 L63 1079373 SEA BACTERICID? OR ANTIBACTERI? OR MICROBICID? OR ANTIMICROBI?
 OR FUNGICID? OR ANTIFUNG? OR INSECTICID?
 L64 41266 SEA L61 (5A) L63
 L67 0 SEA (L57 AND L58) AND L64

Combination of ① lactic acid and tannic acid (free text) and ② Plant terms (Free Text)

=> dup rem 128 155 167

L28 HAS NO ANSWERS

L67 HAS NO ANSWERS

FILE 'USPATFULL' ENTERED AT 10:01:45 ON 19 DEC 2003
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*Antimicrobial terms (free
 text)*

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Dec 2003 (20031218/PD)
 FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)
 HIGHEST GRANTED PATENT NUMBER: US6665873
 HIGHEST APPLICATION PUBLICATION NUMBER: US2003233693
 CA INDEXING IS CURRENT THROUGH 18 Dec 2003 (20031218/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Dec 2003 (20031218/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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>>> USPATFULL. A USPATFULL record contains not only the original <<<
 >>> published document but also a list of any subsequent <<<
 >>> publications. The publication number, patent kind code, and <<<
 >>> publication date for all the US publications for an invention <<<
 >>> are displayed in the PI (Patent Information) field of USPATFULL <<<
 >>> records and may be searched in standard search fields, e.g., /PN, <<<
 >>> /PK, etc. <<<

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 >>> classifications, or claims, that may potentially change from <<<
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PROCESSING COMPLETED FOR L28

PROCESSING COMPLETED FOR L55

PROCESSING COMPLETED FOR L67

L69 6 DUP REM L28 L55 L67 (0 DUPLICATES REMOVED)

ANSWERS '1-6' FROM FILE USPATFULL

=> d ibib abs hitstr tot *display bibliographic info, abstract, and hitstructure for all*

L69 ANSWER 1 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:282377 USPATFULL

TITLE: Process for improving the durability of, and/or
 stabilizing, microbially perishable products

INVENTOR(S): Schur, Jorg Peter, Wegberg, GERMANY, FEDERAL REPUBLIC
 OF

*Citations
 from
 USPATFULL*

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198718	A1	20031023
APPLICATION INFO:	US 2003-357726	A1	20030204 (10)
RELATED APPLN. INFO:	Continuation of Ser. No. US 2000-620872, filed on 21 Jul 2000, GRANTED, Pat. No. US 6514531		
	Continuation-in-part of Ser. No. US 1997-737655, filed on 18 Feb 1997, ABANDONED A 371 of International Ser. No. WO-1996-EP1364, filed on 28 Mar 1996, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19512147	19950331
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	John S. Child, Jr., Esquire, DANN DORFMAN HERRELL AND SKILLMAN, 1601 Market Street, Suite 720, Philadelphia, PA, 19103-2307	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1552	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for improving the durability
 of, and/or stabilizing, microbially perishable products, in which,
 during the process for preparing, processing or packaging the products,

their surfaces and/or their environment, in particular the environmental air and/or the surfaces of the utensils or other materials which come directly or indirectly into contact with the products, are impacted with one or more process adjuvants, the process adjuvant comprising at least one microbicidally active flavouring substance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L69 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:123321 USPATFULL
 TITLE: Syndet bar soap having an acidifying agent
 INVENTOR(S): Lopes, John A., 2209 Niagara Dr., Troy, MI, United States 48083

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6559110	B1	20030506
APPLICATION INFO.:	US 2001-935930		20010823 (9)

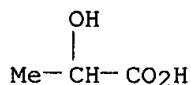
	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-227358P	20000824 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Ogden, Necholus	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	575	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A bar soap preparation having enhanced antibacterial and microbial properties which contains between 0.1 weight % and 95 weight % of at least one anionic surfactant; and at least one acidifying agent present in an amount sufficient to impart a pH of below 5.0. The bar soap provides microbial protection resulting from its rapid microbicidal action.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 50-21-5, Lactic acid, biological studies
 (synthetic detergent bar soaps containing acidifiers and bactericides and conditioners and abrasives and binders)
 RN 50-21-5 USPATFULL
 CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



L69 ANSWER 3 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:235073 USPATFULL
 TITLE: Compositions and methods for treating dermatological disorders
 INVENTOR(S): Murad, Howard, Marina del Rey, CA, UNITED STATES

NUMBER	KIND	DATE
--------	------	------

PATENT INFORMATION:	US 2002127256	A1	20020912
APPLICATION INFO.:	US 2002-80717	A1	20020225 (10)

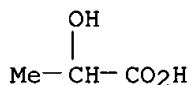
	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-272046P	20010301 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PENNIE & EDMONDS LLP, 1667 K STREET NW, SUITE 1000, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	43	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1387	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to dermatological agents and methods for treating dermatological disorders. The dermatological agents include a therapeutically effective amount of at least one acid selected from ellagic acid, ferrulic acid, caffeic acid, or **tannic acid** in an amount sufficient to strengthen cell membranes in the skin. The at least one acid is preferably combined with at least one of a moisturizing agent, an anti-inflammatory component, an immunity boosting component or an additional anti-oxidant, and a pharmaceutically acceptable carrier.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **50-21-5, Lactic acid**, biological studies
(organic acid and herbal drug compns. for treating dermatol. disorders)
RN 50-21-5 USPATFULL
CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



L69 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:105716 USPATFULL
TITLE: Pharmaceutical compositions and methods for managing skin conditions
INVENTOR(S): Murad, Howard, Marina del Rey, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002054918	A1	20020509
APPLICATION INFO.:	US 2001-953431	A1	20010917 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-878231, filed on 12 Jun 2001, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	PENNIE & EDMONDS LLP, 1667 K STREET NW, SUITE 1000, WASHINGTON, DC, 20006		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1607		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

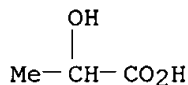
AB This application relates to a pharmaceutical composition and methods for treating inflammatory skin conditions. The compositions include hydrogen peroxide, one or more moisturizing agents, and an anti-inflammatory agent. The pharmaceutical compositions may optionally include one or more exfoliants. The compositions can be used to treat inflammatory skin conditions such as dermatitis, including, but not limited to seborrheic dermatitis, nummular dermatitis, contact dermatitis, atopic dermatitis, exfoliative dermatitis, perioral dermatitis, and stasis dermatitis; psoriasis; folliculitis; rosacea; acne; impetigo; erysipelas; paronychia, erythrasma; and eczema.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 50-21-5, Lactic acid, biological studies
(pharmaceutical compns. for managing skin conditions)

RN 50-21-5 USPATFULL

CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



L69 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2001:126008 USPATFULL

TITLE: Pharmaceutical compositions for managing scalp conditions

INVENTOR(S): Murad, Howard, 4265 Marina City Dr. Penthouse 11,
Marina del Ray, CA, United States 90292

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6271246	B1	20010807
APPLICATION INFO.:	US 1999-368078		19990803 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-123484, filed on 27 Jul 1998, now patented, Pat. No. US 6207694		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Cook, Rebecca		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1252		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This application relates to a pharmaceutical composition for the prevention, treatment, and management of scalp conditions, such as dandruff, seborrheic dermatitis, psoriasis, folliculitis, and hair thinning including a therapeutically effective amount of an acidic component of a hydroxyacid or **tannic acid**, or a pharmaceutically acceptable salt thereof. A preferred anti-dandruff composition and method of managing dandruff includes a therapeutically effective amount of the acid component, a vitamin A component, and an anti-growth agent. A preferred anti-hair thinning composition and method of managing thinning hair includes a therapeutically effective amount of the acidic component, a niacin component present in an amount sufficient to locally increase blood circulation, and a 5- α reductase inhibitor. The invention also relates to a method of treating chemically

processed air by administering to a patient an amount of an acidic component of a hydroxy acid or **tannic acid**, or a pharmaceutically acceptable salt thereof, in an amount sufficient to essentially close the cuticle and inhibit modification of the chemically processed hair.

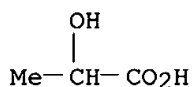
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 50-21-5, **Lactic acid**, biological studies

(hair compns. containing hydroxy acids for managing scalp diseases)

RN 50-21-5 USPATFULL

CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



L69 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 1998:48334 USPATFULL

TITLE: Herbicidal and insecticidal protein-polysaccharide delivery compositions and methods for controlling **plant** and insect populations

INVENTOR(S): McArdle, Blaise, 17 Leonard St., Annisquam, MA, United States 01930-1321

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5747416		19980505
APPLICATION INFO.:	US 1996-699578		19960816 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-523162, filed on 5 Sep 1995, now patented, Pat. No. US 5591473 which is a continuation-in-part of Ser. No. US 1994-263001, filed on 17 Jun 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-89268, filed on 8 Jul 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clardy, S. Mark		
NUMBER OF CLAIMS:	37		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1383		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A protein-polysaccharide complex is used as a non-toxic and sustained release carrier for insecticides, herbicides, foliar nutrients and mixtures thereof. Methods for using a solution, solid or flowable impregnated protein-polysaccharide complex as a delivery agent for the control of **plant** populations and insect populations and as a preservative for cut flowers are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> b hcap;d que l29;b uspatfull;d que l56;b agricola caba pascal biosis cropu
toxcenter wpids;d que l68
FILE 'HCAPLUS' ENTERED AT 10:02:48 ON 19 DEC 2003
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FILE COVERS 1907 - 19 Dec 2003 VOL 139 ISS 26
FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

L3	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	TANNIN/CN
L4	2	SEA FILE=REGISTRY ABB=ON	PLU=ON	PHENYLETHANOL/CN
L7	43	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L3
L8	7493	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L4
L11	36871	SEA FILE=HCAPLUS ABB=ON	PLU=ON	TANNIN?/OBI
L12	5644	SEA FILE=HCAPLUS ABB=ON	PLU=ON	PHENYLETHANOL/OBI OR PHENYL/OB I(W)ETHYL/OBI(W)ALCOHOL/OBI OR PHENYL/OBI(W)ETHANOL/OBI
L13	1942	SEA FILE=HCAPLUS ABB=ON	PLU=ON	"CROP (PLANT)"/CT
L14	195125	SEA FILE=HCAPLUS ABB=ON	PLU=ON	"CEREAL (GRAIN)"+OLD,NT/CT
L15	720966	SEA FILE=HCAPLUS ABB=ON	PLU=ON	PLANT#/OBI OR CROP#/OBI OR WHEAT/OBI OR GRAIN?/OBI OR CEREAL?/OBI
L17	208843	SEA FILE=HCAPLUS ABB=ON	PLU=ON	ANTIMICROBIAL AGENTS+NT/CT
L18	280221	SEA FILE=HCAPLUS ABB=ON	PLU=ON	BACTERICID?/OBI OR ANTIBACTERI ?/OBI OR MICROBICID?/OBI OR ANTIMICROBI?/OBI OR FUNGICID?/OBI OR ANTIFUNG?/OBI OR INSECTICID?/OBI
L19	77997	SEA FILE=HCAPLUS ABB=ON	PLU=ON	INSECTICIDES +NT/CT
L22	36883	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L7 OR L11
L23	10426	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L8 OR L12
L24	7579	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L13 OR L14) AND (L17 OR L19)
L25	6577	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L15 (L) (L17 OR L19)
L26	12469	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L15 (L) L18
L27	17370	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L24 OR L25 OR L26)
L29	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L22 AND L23 AND L27

Combination of tannin and phenylethanol and (2) Plant terms (Free Text + Controlled Terms)
and Antimicrobial terms (Free Text and Controlled Terms)

FILE 'USPATFULL' ENTERED AT 10:02:48 ON 19 DEC 2003
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Dec 2003 (20031218/PD)
 FILE LAST UPDATED: 18 Dec 2003 (20031218/ED)
 HIGHEST GRANTED PATENT NUMBER: US6665873
 HIGHEST APPLICATION PUBLICATION NUMBER: US2003233693
 CA INDEXING IS CURRENT THROUGH 18 Dec 2003 (20031218/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Dec 2003 (20031218/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2003
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2003

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>>> USPAT2 is now available.  USPATFULL contains full text of the  <<<
>>> original, i.e., the earliest published granted patents or  <<<
>>> applications.  USPAT2 contains full text of the latest US  <<<
>>> publications, starting in 2001, for the inventions covered in  <<<
>>> USPATFULL.  A USPATFULL record contains not only the original  <<<
>>> published document but also a list of any subsequent  <<<
>>> publications.  The publication number, patent kind code, and  <<<
>>> publication date for all the US publications for an invention  <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL  <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.  <<<

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>>> through the new cluster USPATALL.  Type FILE USPATALL to  <<<
>>> enter this cluster.  <<<
>>>  <<<
>>> Use USPATALL when searching terms such as patent assignees,  <<<
>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.  <<<
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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4      2 SEA FILE=REGISTRY ABB=ON  PLU=ON  PHENYLETHANOL/CN
L32     5 SEA FILE=USPATFULL ABB=ON  PLU=ON  L3
L33     690 SEA FILE=USPATFULL ABB=ON  PLU=ON  L4
L36     2388 SEA FILE=USPATFULL ABB=ON  PLU=ON  TANNIN?/TI,IT,AB,CLM
L37     787 SEA FILE=USPATFULL ABB=ON  PLU=ON  (PHENYLETHANOL OR PHENYL(W)E
      THYL(W)ALCOHOL OR PHENYL(W)ETHANOL)/TI,IT,AB,CLM
L38     202 SEA FILE=USPATFULL ABB=ON  PLU=ON  "CROP (PLANT)"/CT
L39     490 SEA FILE=USPATFULL ABB=ON  PLU=ON  "CEREAL (GRAIN)"/CT
L40     95810 SEA FILE=USPATFULL ABB=ON  PLU=ON  (PLANT# OR CROP# OR WHEAT
      OR GRAIN? OR CEREAL?)/TI,IT,AB,CLM
L42     2122 SEA FILE=USPATFULL ABB=ON  PLU=ON  ANTIMICROBIAL AGENTS/CT
L43     4411 SEA FILE=USPATFULL ABB=ON  PLU=ON  ANTIBACTERIAL AGENTS/CT
L44     6530 SEA FILE=USPATFULL ABB=ON  PLU=ON  INSECTICIDES/CT
L45     38820 SEA FILE=USPATFULL ABB=ON  PLU=ON  (BACTERICID? OR ANTIBACTERI?
      OR MICROBICID? OR ANTIMICROBI? OR FUNGICID? OR ANTIFUNG? OR
      INSECTICID?)/TI,IT,AB,CLM
L48     2392 SEA FILE=USPATFULL ABB=ON  PLU=ON  L32 OR L36
L49     1225 SEA FILE=USPATFULL ABB=ON  PLU=ON  L33 OR L37
L50     64 SEA FILE=USPATFULL ABB=ON  PLU=ON  (L38 OR L39) AND (L42 OR
      L43 OR L44)
L51     106 SEA FILE=USPATFULL ABB=ON  PLU=ON  (L38 OR L39) (5A) L45
L52     2207 SEA FILE=USPATFULL ABB=ON  PLU=ON  L40 (5A) (L42 OR L43 OR
      L44)
L53     1951 SEA FILE=USPATFULL ABB=ON  PLU=ON  L40 (5A) L45
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L54 3715 SEA FILE=USPATFULL ABB=ON PLU=ON (L50 OR L51 OR L52 OR L53)
 L56 3 SEA FILE=USPATFULL ABB=ON PLU=ON (L48 AND L49) AND L54

Combination of ① tannin and phenylethanol and ② Plant Terms (Free Text and Controlled Terms)

FILE 'AGRICOLA' ENTERED AT 10:02:48 ON 19 DEC 2003

*Antimicrobial terms (Free text
 &
 Controlled
 terms)*

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L59 38240 SEA TANNIN?
 L60 3273 SEA PHENYLETHANOL OR PHENYL(W) ETHYL(W) ALCOHOL OR PHENYL(W)
 ETHANOL
 L61 6599588 SEA PLANT# OR CROP# OR WHEAT OR GRAIN? OR CEREAL?
 L63 1079373 SEA BACTERICID? OR ANTIBACTERI? OR MICROBICID? OR ANTIMICROBI?
 OR FUNGICID? OR ANTIFUNG? OR INSECTICID?
 L64 41266 SEA L61 (5A) L63
 L68 0 SEA (L59 AND L60) AND L64

Combination of ① tannin and phenylethanol (free text) and ② Plant terms (Free Text)

=> dup rem l29 l56 l68

L68 HAS NO ANSWERS

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*Antimicrobial terms
 (free text)*

FILE 'USPATFULL' ENTERED AT 10:03:14 ON 19 DEC 2003
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 PROCESSING COMPLETED FOR L29
 PROCESSING COMPLETED FOR L56
 PROCESSING COMPLETED FOR L68

L70 5 DUP REM L29 L56 L68 (0 DUPLICATES REMOVED)
 ANSWERS '1-2' FROM FILE HCAPLUS
 ANSWERS '3-5' FROM FILE USPATFULL

=> d ibib abs hitstr tot *display all cites from HCAplus & USPATFULL*

*with
 bibliographic info,
 abstract with structure,
 and hit structures*

L70 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:152427 HCAPLUS
 DOCUMENT NUMBER: 134:174268
 TITLE: **Insecticides and microbicides for plants**
 INVENTOR(S): Schuer, Joerg
 PATENT ASSIGNEE(S): Germany
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001013727	A1	20010301	WO 2000-EP8344	20000825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19940283	A1	20010301	DE 1999-19940283	19990825
EP 1206184	A1	20020522	EP 2000-969251	20000825
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003507397	T2	20030225	JP 2001-517880	20000825
ZA 2002001510	A	20030311	ZA 2002-1510	20020222
PRIORITY APPLN. INFO.:				
			DE 1999-19940283 A	19990825
			WO 2000-EP8344 W	20000825
AB	The invention relates to agents for protecting plants and/or parts of plants from insects and insect larvae and from microbial attack. The agents are lipophilic GRAS (generally recognized as safe) flavoring compds and hydrophilic GRAS. The lipophilic GRAS flavoring compds. are alcs. (benzyl alc., 1- or 2-phenylethanol, cinnamic alc., hydrocinnamic alc., etc.). The hydrophilic GRAS agents are alcs. (ethanol, propanol, isopropanol, etc.) or organic acids.			
IT	60-12-8, 2-Phenylethanol RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticide and microbicide for plants or plant parts)			
RN	60-12-8 HCAPLUS			
CN	Benzeneethanol (9CI) (CA INDEX NAME)			

HO-CH₂-CH₂-Ph

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L70 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1996:687319 HCAPLUS

DOCUMENT NUMBER: 125:326976

TITLE: Processing with flavorings for enhancement of the

shelf life of products that are susceptible to
microbiological deterioration

INVENTOR(S): Schuer, Joerg Peter
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9629895	A1	19961003	WO 1996-EP1364	19960328
W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9652750	A1	19961016	AU 1996-52750	19960328
DE 19612340	A1	19961107	DE 1996-19612340	19960328
EP 762837	A1	19970319	EP 1996-909141	19960328
EP 762837	B1	20020227		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10501445	T2	19980210	JP 1996-528939	19960328
EP 1116446	A2	20010718	EP 2001-109105	19960328
EP 1116446	A3	20030402		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
AT 213593	E	20020315	AT 1996-909141	19960328
PT 762837	T	20020731	PT 1996-96909141	19960328
ES 2173274	T3	20021016	ES 1996-909141	19960328
US 6514551	B1	20030204	US 2000-620872	20000721
US 2003198718	A1	20031023	US 2003-357726	20030204
PRIORITY APPLN. INFO.:				
			DE 1995-19512147	A 19950331
			EP 1996-909141	A3 19960328
			WO 1996-EP1364	W 19960328
			US 1997-737655	A1 19970218
			US 2000-620872	A1 20000721

AB During the production, processing or packing of items such as bread and meat, the surfaces of the products and(or) their surroundings, in particular the surrounding air and/or surfaces of any equipment or material which comes directly or indirectly into contact with the products, are treated with one or more processing auxiliary agents containing at least one microbicidal flavoring agent. Thus, in tests in vitro a combination of 20% ethanol or isopropanol with a mixture of active ingredients containing 0.2% anisaldehyde and 0.04% oregano oil was highly inhibitory to *Aspergillus niger* and *Staphylococcus aureus*.

IT 60-12-8, 2-Phenylethanol

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); FFD (Food or feed use); BIOL (Biological study); USES (Uses)

(microbicidal flavoring for stabilization of foods)

RN 60-12-8 HCAPLUS

CN Benzeneethanol (9CI) (CA INDEX NAME)

HO-CH₂-CH₂-Ph

L70 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:282377 USPATFULL
 TITLE: Process for improving the durability of, and/or stabilizing, microbially perishable products
 INVENTOR(S): Schur, Jorg Peter, Wegberg, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198718	A1	20031023
APPLICATION INFO.:	US 2003-357726	A1	20030204 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-620872, filed on 21 Jul 2000, GRANTED, Pat. No. US 6514551		
	Continuation-in-part of Ser. No. US 1997-737655, filed on 18 Feb 1997, ABANDONED A 371 of International Ser. No. WO 1996-EP1364, filed on 28 Mar 1996, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19512147	19950331
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	John S. Child, Jr., Esquire, DANN DORFMAN HERRELL AND SKILLMAN, 1601 Market Street, Suite 720, Philadelphia, PA, 19103-2307	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1552	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for improving the durability of, and/or stabilizing, microbially perishable products, in which, during the process for preparing, processing or packaging the products, their surfaces and/or their environment, in particular the environmental air and/or the surfaces of the utensils or other materials which come directly or indirectly into contact with the products, are impacted with one or more process adjuvants, the process adjuvant comprising at least one microbicidally active flavouring substance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **60-12-8, 2-Phenylethanol**
 (microbicidal flavoring for stabilization of foods)
 RN 60-12-8 USPATFULL
 CN Benzeneethanol (9CI) (CA INDEX NAME)

HO-CH₂-CH₂-Ph

L70 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:282339 USPATFULL
 TITLE: Multi component moisture triggered controlled release system that imparts long lasting cooling sensation on the target site and/or provides high impact fragrance

INVENTOR(S): or flavor burst
Shefer, Adi, East Brunswick, NJ, UNITED STATES
Shefer, Samuel David, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198680	A1	20031023
APPLICATION INFO.:	US 2002-211727	A1	20020802 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-124207, filed on 17 Apr 2002, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Diane Dunn McKay, Esq., Mathews, Collins, Shepherd & McKay, P.A., 100 Thanet Circle, Suite 306, Princeton, NJ, 08540		
NUMBER OF CLAIMS:	43		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	1240		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB The present invention relates to cosmetic formulations comprising a multi component controlled release system that imparts long lasting cooling sensation and/or provides high odor or flavor intensity (i.e., high impact fragrance or flavor burst) in response to moisture. The controlled delivery system of the present invention is substantially free-flowing powder formed of solid hydrophobic nano-spheres that are encapsulated in a moisture sensitive micro-spheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 60-12-8, Phenylethyl alcohol
(multicomponent moisture triggered controlled-release system providing high impact fragrance or flavor burst)
RN 60-12-8 USPATFULL
CN Benzeneethanol (9CI) (CA INDEX NAME)

HO-CH₂-CH₂-Ph

L70 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:33204 USPATFULL
TITLE: Process for improving the durability of, and/or stabilizing, microbially perishable products
INVENTOR(S): Schur, Jorg Peter, Heideweg 51, D-41844 Wegberg, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6514551	B1	20030204
APPLICATION INFO.:	US 2000-620872		20000721 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 737655		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19512147	19950331
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	

PRIMARY EXAMINER: Pratt, Helen
LEGAL REPRESENTATIVE: Child, Jr., John S.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 1237

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for improving the durability of, and/or stabilizing, microbially perishable products, in which, during the process for preparing, processing or packaging the products, their surfaces and/or their environment, in particular the environmental air and/or the surfaces of the utensils or other materials which come directly or indirectly into contact with the products, are impacted with one or more process adjuvants, the process adjuvant comprising at least one microbicidally active flavouring substance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **60-12-8, 2-Phenylethanol**

(microbicidal flavoring for stabilization of foods)

RN 60-12-8 USPATFULL

CN Benzeneethanol (9CI) (CA INDEX NAME)

HO-CH₂-CH₂-Ph

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